

Mouse anti-Human XPNPEP1 Monoclonal Antibody | anti-XPNPEP1 antibody

XPNPEP1 antibody

CATALOG # AAA48273	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunocytochemistry, Western Blot, ELISA
------------------------------	----------------------	----------------------------	---

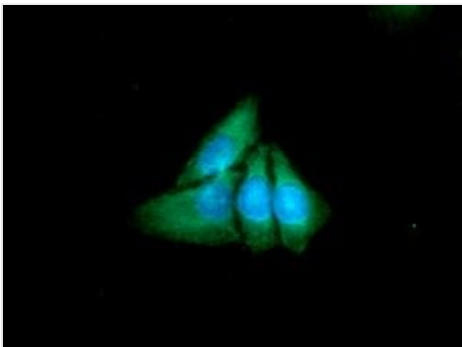
PRODUCT SYNONYMS

XPNPEP1; Monoclonal Antibody; XPNPEP1 antibody; Xaa-Pro aminopeptidase 1 isoform 1; APP1; SAMP; XPNPEP; XPNPEPL; XPNPEPL1; anti-XPNPEP1 antibody

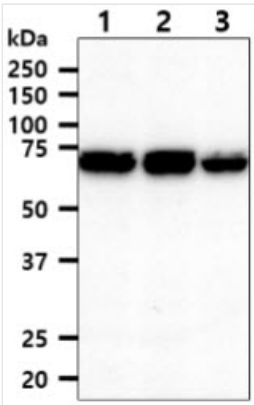
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, k
Clone Number	AT9C7
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	666
Applicable Applications for anti-XPNPEP1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human XPNPEP1 (1-623aa) purified from E. coli
Clone Note	Anti-human XPNPEP1 mAb, clone AT9C7, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human XPNPEP1 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)
CC/IF analysis of XPNPEP1 in HeLa cell line, staining at 2-5ug for 1x10⁶cells (red line). The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was mouse IgG (black line).



WB (Western Blot)
The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human XPNPEP1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1 : Jurkat cell lysate Lane 2 : HeLa cell lysate Lane 3 : MCF7 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-XPNPEP1 antibody	XPNPEP1 also known as Xaa-Pro aminopeptidase 1 isoform 1, is encodes the cytosolic form of a metalloaminopeptidase that catalyzes the cleavage of the N-terminal amino acid adjacent to a proline residue. This product may play a role in degradation and maturation of tachykinins, neuropeptides, and peptide hormones.
Product Categories/Family for anti-XPNPEP1 antibody	Signal Transduction; Metabolism
References	Cottrell G.S., et al. (2000) Biochemistry. 39: 15121-15128. ; Li X., et al. (2008) J. Biol. Chem. 283: 22858-22866.

NCBI AND UNIPROT INFORMATION

NCBI GI #	264681563
NCBI GeneID	7511
NCBI Accession #	NP_065116
NCBI GenBank Nucleotide #	NM_020383.3
UniProt Accession #	Q9NQW7; O15250; Q53EX6; Q8N3Q0; Q96D23; A8K071; G5E9Y2; G8JLB2
Molecular Weight	72,107 Da
NCBI Official Full Name	xaa-Pro aminopeptidase 1 isoform 1
NCBI Official Synonym Full Names	X-prolyl aminopeptidase 1
NCBI Official Symbol	XPNPEP1
NCBI Official Synonym Symbols	APP1; SAMP; XPNPEP; XPNPEPL; XPNPEPL1
NCBI Protein Information	xaa-Pro aminopeptidase 1
UniProt Protein Name	Xaa-Pro aminopeptidase 1
UniProt Gene Name	XPNPEP1
UniProt Synonym Gene Names	sAmp

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

